

Please amend the application as follows:

**IN THE CLAIMS:**

**RECEIVED.**  
MAR 12 2002  
**GROUP 3600]**

***CLEAN VERSION OF THE AMENDED CLAIMS***

310  
G-1  
E1

1. A built-up camshaft comprising  
a pipe coated by a jointing coating on an outer cylindrical surface and an inner cylindrical surface and having an outer pipe diameter and an inner pipe diameter and having cam places, bearing ring places and pipe end places;  
cams formed as rings with an outer cylindrical flange and an inner cylindrical flange and provided with the jointing coating on an inner cylindrical surface of the inner cylindrical flange and positioned at the cam places and bearing rings provided with the jointing coating on inner surfaces being in contact with the pipe and positioned at the bearing ring places and end pieces provided with the jointing coating on outer cylindrical surfaces and having an outer end pieces diameter bigger than the inner pipe diameter, wherein the jointing coating of the pipe and the jointing coating of the cams, the bearing rings and the end pieces create durable joints between the pipe and the cams, the bearing rings and the end pieces and wherein the surface coating prevents a tribocorrosion and increases load capacity as compared to compression joints without joining coating.

E2

9. A built-up camshaft comprising  
a pipe coated with a crystalline phosphate coating on an outer cylindrical surface and having an outer pipe diameter;

G3  
a cam having an inner diameter larger than the outer pipe diameter and connected by means of a compression joint to the pipe and provided with the crystalline phosphate coating on surfaces being in contact with the pipe, wherein the crystalline phosphate coating prevents a tribocorrosion and increases load capacity as compared to compression joints without coating and creates a stable joint between the pipe and the cam;

E2  
a bearing ring having an inner diameter larger than the outer pipe diameter and connected by means of a second compression joint to the pipe and provided with a second crystalline phosphate coating on surfaces being in contact with the pipe, wherein the second crystalline phosphate coating prevents a tribocorrosion and increases load capacity as compared to compression joints without coating and creates a stable joint between the pipe and the bearing ring;

an end piece having an inner diameter larger than the inner pipe diameter and connected by means of a third compression joint to the pipe and provided with a third crystalline phosphate coating on surfaces being in contact with the pipe, wherein the third crystalline phosphate coating prevents a tribocorrosion and increases load capacity as compared to compression joints without coating and creates a stable joint between the pipe and the end piece.

10. A built-up camshaft comprising  
an elongated part having an outer cylindrical surface;

G3\*

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cont

a cam connected by means of a longitudinal compression joint to the elongated part, wherein the cam is covered with a joint-stable surface coating, and wherein the surface coating prevents a tribocorrosion and increases the load capacity as compared to compression joints;

a bearing ring connected by means of a second longitudinal compression joint to the elongated part, wherein the cam is covered with a second joint-stable surface coating, and wherein the surface coating prevents a tribocorrosion and increases the load capacity as compared to compression joints;

an end piece connected by means of a third longitudinal compression joint to the elongated part, wherein the cam is covered with a third joint-stable surface coating, and wherein the surface coating prevents a tribocorrosion and increases the load capacity as compared to compression joints.

12. The camshaft according to claim 10, wherein the pipe or the solid rod, the cams, the end pieces, the bearing rings, and the other parts are made out of metal, ceramics, plastics or other materials, by cutting or non-cutting, by milling or forging in massive or profiled form.

13. The camshaft according to claim 1, wherein an outer jacket face of the pipe or of the solid rod has a drawn quality or is completely or partially mechanically machined.

h3  
5 cont  
E3

16. A built-up camshaft comprising  
a pipe or a solid rod,  
cams,  
bearing rings,  
end pieces, and  
other parts, wherein the cams (3), the end pieces (6), the bearing rings, and  
the other parts are connected by means of longitudinal compression joints to  
the pipe, wherein the parts to be connected are provided with a suitable  
surface coating, and wherein the surface coating prevents a tribocorrosion  
and increases the load capacity as compared to conventional compression  
joints.